

Applicant : Roland Cherif-Cheikh	Attorney's Docket No.: 05339-014003 / 023B
Serial No. : 09/832,273	
Filed : April 10, 2001	
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COMPLETE LISTING OF ALL CLAIMS, WITH MARKINGS AND STATUS IDENTIFIERS

(Amendments are illustrated by showing deletions ~~by strikethrough~~ or ~~[[double brackets]]~~ and additions by underlining)

Claims 1-5 (canceled)

Claim 6 (currently amended): An injection device for injecting a liquid or a semi-solid composition into a subject, the device comprising:

a hollow housing (10) having a proximal end (14a) and a distal end (14b), said distal end (14b) being configured to contain a liquid and a dry drug composition (20) wherein said liquid and said dry drug composition (20) are combined in said housing (10) prior to injection;

a hollow needle (12) affixed to the distal end (14b) of the housing (10), said needle (12) having a distal end extending outside of the housing (10) and having a proximal end extending longitudinally within said housing (10);

a plunger (29) comprising a proximal end and a distal end, said plunger (29) arranged to slide within the proximal end (14a) of the housing (10);

a septum plunger (16) slidably arranged within the housing (10) between the plunger (29) and the distal end (14b) of the housing (10), said septum plunger (16) being configured to isolate the liquid and/or the dry drug composition (20) between the septum plunger (16) and the distal end of the plunger (29);

a hollow sleeve (22) slidably connected to the distal end (14b) of the housing (10) and arranged to cover the needle (12) prior to injection, to retract into the housing (10) during injection and to cover the needle (12) after the injection upon contact with said septum plunger (16) as said septum plunger (16) is displaced by said plunger (29) towards the distal end (14b) of said housing (10); and

wherein the device (1) is designed such that when the sleeve (22) is pressed against the subject (34), the sleeve (22) retracts into the housing (10) thereby allowing the needle (12) to penetrate into the subject (34), and when the plunger (29) is pushed into the housing (10), the proximal end of the needle (12) pierces the septum plunger (16) thereby exposing the proximal end of the needle (12) to the previously isolated composition (20) and the composition (20) is pushed from the housing (10) into and through the needle (12) and into the subject (34).

Claim 7 (currently amended): A device (1) of claim 6, wherein the proximal end (14a) of the housing (10) comprises a flange (28).

Claim 8 (currently amended): A device (1) of claim 6, wherein the proximal end of the plunger (29) comprises a flange (18).

Claims 9-21 (canceled)

Claim 22 (currently amended): An injection device (1) of claim 6, wherein the device (1) is further configured such that when the composition (20) is pushed out of the housing (10), the septum plunger (16) moves the sleeve (22) out of the housing (10) to cover the needle (12).

Claim 23 (currently amended): A device (1) of claim 6, wherein the housing (10) contains the liquid or semi-solid composition (20).

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Claim 24 (previously presented): A device (1) of claim ~~23~~ 22, wherein the housing (10) contains the liquid or semi-solid composition (20).

Claim 25 (currently amended): A device (1) of claim 6, wherein the device (1) further comprises a releasable lock (25) to ~~inhibit the movement of~~ prevent the plunger (29) ~~from sliding into~~ in the proximal end of said housing (10).

Claim 26 (currently amended): A device (1) of claim 6 which further comprises a removable cap (21) which covers the sleeve (22).

Claim 27 (currently amended): A device (1) of claim 6, wherein said septum plunger (16) contains a bore (26) which the needle (12) pierces the bore (26) in the septum plunger (16) during use of said injection device (1).